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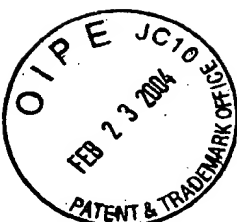
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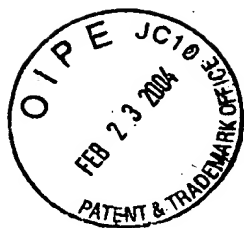
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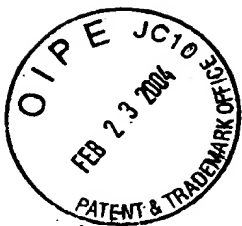
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301 cuggaaaaccg gugcuucugu uuuuccgga cuggcuauca uauugauugu
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401 cgacucuguu aauggugau uuauuucgg uagagaaguu ugcuauggc
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FIG. 1



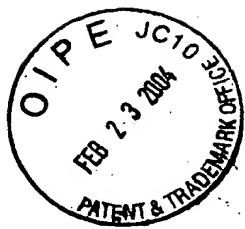
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401 acacacuuau cgaaaaagaa auuuacgcac cagccggacg cgaaaugugg
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FIG. 2



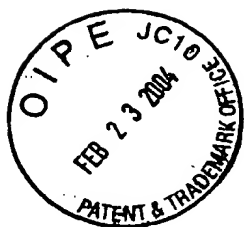
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451 caacggatgg aacaatccca ctggctctc gacggtaaaa aagatgcgcc
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551 tctggcagca ggcgcgccg tgggtagatt ctggcaaatg gcaattaaga
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701 ctggtgggcaa gctt

FIG. 3



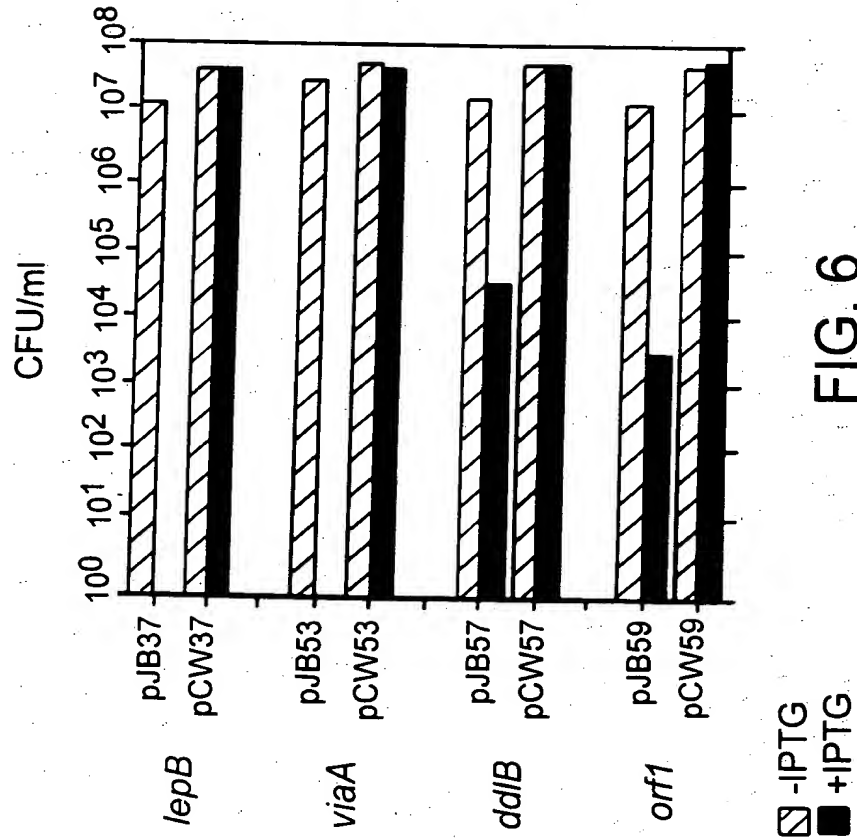
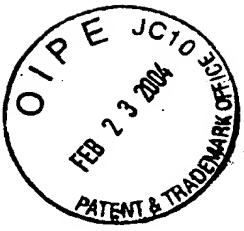
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301 guauugacgg uaaaauuucu ucaccgagua ucgcaaccgu gaacuccggc
351 ccacuuagcc auuuuucaau caauacuucu ucaucgugcu gaaaugccaa
401 ucuaaangca ucuuguagag cauuuucugc uacuacuuuu gacauuccca
451 cacuggaacc uucgcggcuc ggcuaaacga uaaccggcaa acccagagca
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701 uucaccgccg cgaccgugua gcgcgauaaa cacuuucuga aagcccaucg
751 acuucaguug cgucacgucg acuucuuucg ggucgacagg auacgcguca
801 auaccgccuu cagcgagucc ggcuaacacc gcugcgccag aaucagaga
851 aacuucccg cagcggagg ucccaccaa caggaccgcg auuuuauca
901 ucauguuguu cuuccuccgg aguugcgsgc uucaguuga uuucagcuaa
951 agaacgggca auuuuuccaa uauuaccagc ccccguaacg agaaucaggu
1001 cguuaccggu uauuaccggu gccagcaucu cggcuaccg cgccggauc

FIG. 4



1 gaauucgug augcugugu ccugagacau aucagcgaug guaucgguca
51 gcacacuguu aaccgcaucg gcgaauuuuu uguugggaggc cuggaaacgca
101 ccuucaacgu uguagcuggc acgauguuu uuggucuuu uguugccauu
151 cugcgcggua gcgaugaug cgauaucgc uuuggucgcg auguuguaagc
201 gcacguugcc cugggacacg ucagcauaca guuggcuaac gaugauuugc
251 agauuaaccg ggccaucgg accaaccaug uaaccacgcg cggucaucg
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351 ggguaacgau uugauuucg cggugacuu uggcagcgc cugaucggua
401 cgcugaucgg caccuuuau gcuuacggug acgcccauca ggcuuaggau
451 c

FIG. 5



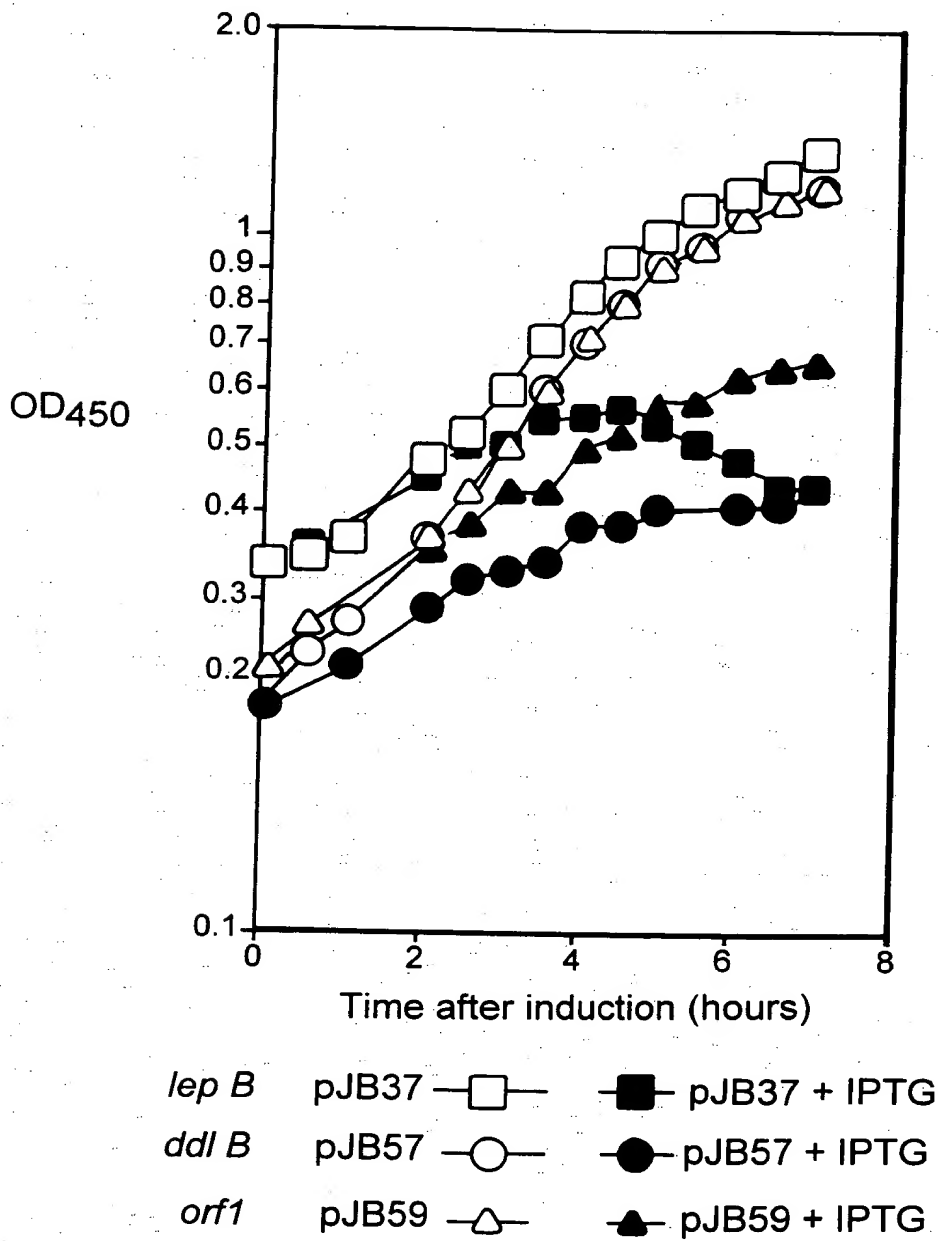
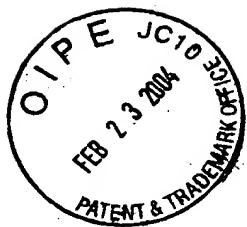


FIG. 7

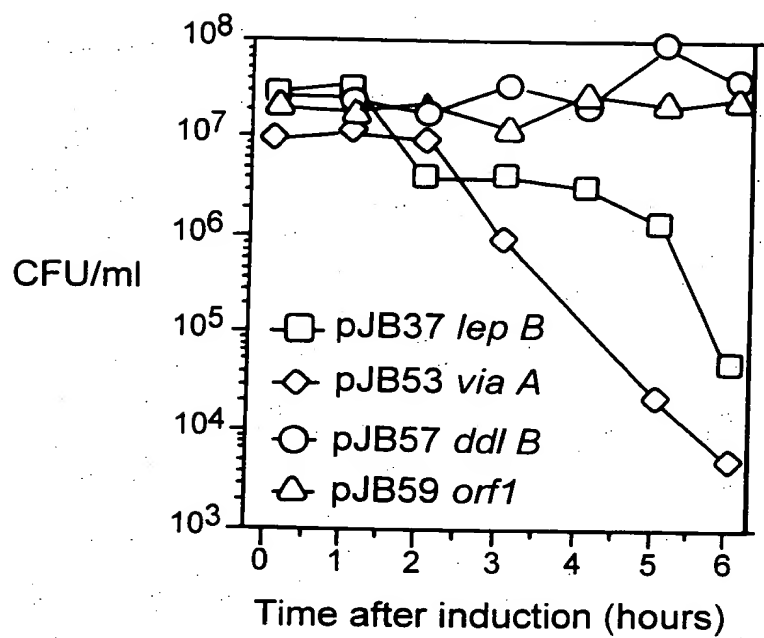
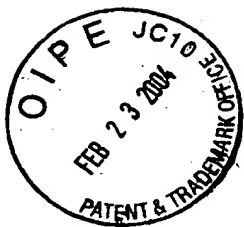


FIG. 8

Figure 1 consists of two line graphs showing bacterial growth (CFU/ml) over time (0-8 hours) after induction with 0 μM IPTG (left) and 0.5 μM IPTG (right). The y-axis is logarithmic, ranging from 10⁴ to 10⁹ CFU/ml. The x-axis represents time in hours. Each graph contains four data series: open triangles (Δ), open circles (○), solid squares (■), and solid diamonds (◆). In both graphs, growth is significantly reduced at 0 hours of induction and recovers over time. The 0.5 μM IPTG condition generally results in lower growth levels compared to the 0 μM condition.

Time (hours)	0 μM IPTG (Δ)	0 μM IPTG (○)	0 μM IPTG (■)	0 μM IPTG (◆)	0.5 μM IPTG (Δ)	0.5 μM IPTG (○)	0.5 μM IPTG (■)	0.5 μM IPTG (◆)
0	~10 ^{8.5}	~10 ^{8.5}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{6.5}	~10 ^{6.5}
2	~10 ^{8.2}	~10 ^{8.2}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{7.2}	~10 ^{6.5}	~10 ^{6.5}
4	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.8}	~10 ^{6.8}	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.5}	~10 ^{6.5}
6	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.8}	~10 ^{6.8}	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.5}	~10 ^{6.5}
8	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.8}	~10 ^{6.8}	~10 ^{8.2}	~10 ^{8.2}	~10 ^{6.5}	~10 ^{6.5}

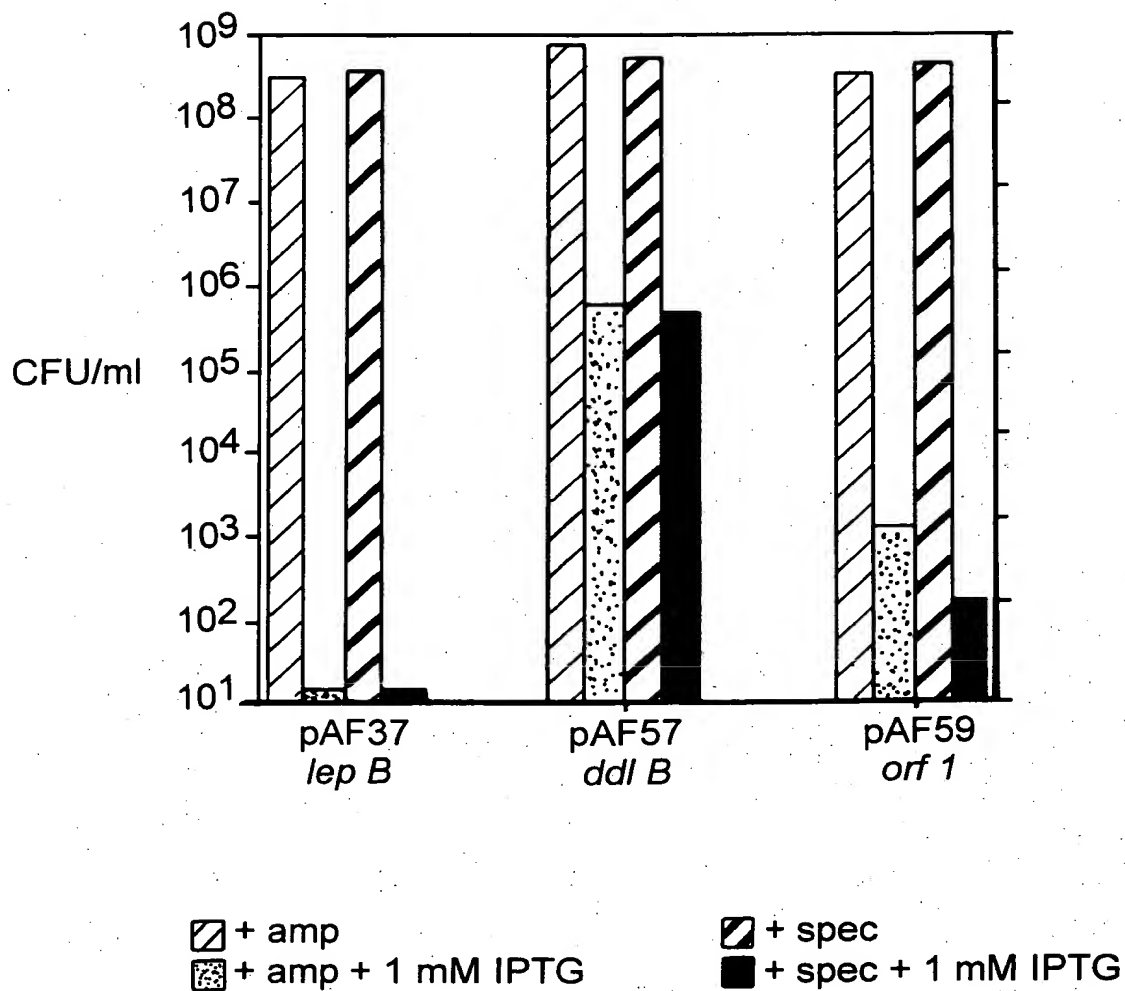
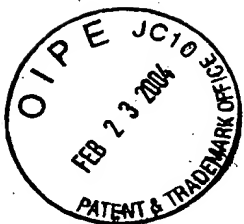
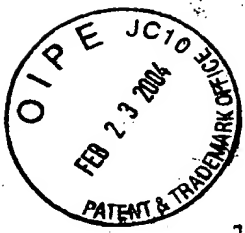
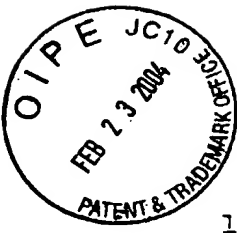


FIG. 10



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101 taaacgctac ttctggccgc atctcttatt agggatgggt gcggcgagtt
151 taggtttgcc tgcgctcagc aacgcgcgcg aaccaaacgc gcccgcaaaa
201 gcgacaaccc gcaaccacga gccttcagcc aaagttaact ttggtcaatt
251 ggccttgctg gaagcgaaca cagccgccc gaattcgaac tattccgttg
301 attactggca tcaacatgcc attcgcacgg taatccgtca tctttctttc
351 gcaatggcac cgcaaacact gcccgttgct gaagaatctt tgctcttca
401 ggcgcaacat cttgcattac tggatacgct cagcgcgctg ctgacccagg
451 aaggcacgcc gtctgaaaag ggttatcgca ttgattatgc gcattttacc
501 ccacaagcaa aattcagcac gcccgctctgg ataagccagg cgcaaggcat
551 ccgtgctggc cctcaacgcc tcacctaca acaataaacc tttacttcat
601 tttattaact ccgcaacgcg gggcgtttga gattttatta tgctaataca
651 attgttaact aaagttttcg gtagtcgtaa cgatcgcacc ctgcgcgga
701 tgcgcaaagt ggtcaacatc atcaatgcca tggaaaccgga gatggaaaaa
751 ctctccgacg aagaactgaa agggaaaacc gcagagtttc gtgcacgtct
801 ggaaaaaggc gaagtgcctg aaaatctgat cccgga

FIG. 11



1 uccgggauca gauuuuccag cacuucgccu uuuccagac gugcacgaaa
51 cucugcgguu uucccuuua guucuucguc ggagaguuuu uccaucuccg
101 guuccauggc auugaugaug uugaccacuu ugcgcauccg gcgcagggug
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601 aacuuuggcu gaaggcucgu gguugcgguu ugucgcuuuu gcgggcgcgu
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701 auccuaaua agagaugcgg ccagaaguag cguuuaccaa acugucgcca
751 gcgcgucagu auuccacuca cguuauugcc aucccgauca uauucaaacg
801 uauuuagcgc acaaaucua ucauuaaagc cugcag

FIG. 12